

THAT WHICH IS CLAIMED:

1 1. A method for accessing a plurality of bi-directional services over a cable television
2 network, comprising:

3 presenting a program guide to at least one subscriber of a cable television network,
4 wherein the program guide displays at least one of a plurality of bi-directional services offered over
5 the cable television network;

6 populating a bi-directional services database with information related to the bi-
7 directional services displayed in the program guide;

8 receiving a request from a subscriber for a bi-directional service displayed in the
9 program guide;

10 querying the bi-directional services database to determine whether the bi-directional
11 service requested by the subscriber is available for consumption in a manner requested by the
12 subscriber;

13 rendering the bi-directional service requested by the subscriber; and

14 updating the bi-directional services database to reflect that the bi-directional service
15 requested by the subscriber has been rendered.

1 2. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises a bi-directional communication session between the subscriber and a
3 content provider.

1 3. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises a bi-directional communication session concurrently between a content
3 provider and a plurality of subscribers.

1 4. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises a bi-directional communication session between the subscriber and at
3 least one other subscriber.

1 5. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises a real-time bi-directional communication session between the subscriber
3 and a content provider.

1 6. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises a request of a bi-directional communication service for future
3 consumption.

1 7. The method of claim 1, wherein receiving a request from a subscriber for a bi-
2 directional service comprises one of a plurality of instantiations of a bi-directional service offered by a
3 content provider.

1 8. The method of claim 7, wherein querying the bi-directional services database to
2 determine whether the bi-directional service requested by the subscriber is available comprises
3 querying the bi-directional services database to determine whether an instantiation of the bi-
4 directional service requested by the subscriber is available.

1 9. The method of claim 7, wherein updating the bi-directional services database to
2 reflect that the bi-directional service requested by the subscriber has been rendered comprises
3 updating the bi-directional services database to reflect that an instantiation of the bi-directional service
4 requested by the subscriber has been rendered.

1 10. The method of claim 1, further comprising sending a denial of service message to the
2 subscriber if the bi-directional service requested by the subscriber is not available.

1 11. The method of claim 1, further comprising prompting the subscriber to request
2 another bi-directional service if the bi-directional service requested by the subscriber is not available.

1 12. The method of claim 1, further comprising prompting the subscriber to reserve the bi-
2 directional service for another time if the bi-directional service requested by the subscriber is not
3 available.

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1 13. A method for accessing a plurality of bi-directional services over a cable television
2 network, comprising the steps of:

3 populating a bi-directional services database with information related to a plurality of
4 bi-directional services;

5 sending the bi-directional services database to a home terminal of a first subscriber of
6 a cable television network;

7 presenting a program guide to the first subscriber of the cable television network via
8 the home terminal, wherein the program guide displays at least one of a plurality of bi-directional
9 services;

10 receiving a request from the first subscriber for a bi-directional service displayed in
11 the program guide;

12 querying the bi-directional services database to determine whether the bi-directional
13 service requested by the first subscriber is available;

14 rendering the bi-directional service requested by the first subscriber;

15 generating an updated bi-directional services database to reflect that the bi-directional
16 service requested by the first subscriber has been rendered; and

17 transmitting the updated bi-directional services database to a second subscriber.

1 14. The method of claim 13, wherein transmitting the updated bi-directional services
2 database to a second subscriber occurs on a scheduled basis.

1 15. The method of claim 13, wherein populating a bi-directional services database
2 includes populating an availability table of entries, each entry respectively associated with a bi-
3 directional service and each entry indicating whether the associated bi-directional service is available.

1 16. The method of claim 15, wherein querying the bi-directional services database to
2 determine whether the bi-directional service requested by the first subscriber is available comprises
3 querying an availability table entry in the availability table of entries that is associated with the bi-
4 directional service requested by the first user.

1 17. The method of claim 16, wherein generating an updated bi-directional services
2 database to reflect that the bi-directional service requested by the first subscriber has been rendered
3 comprises updating the availability table entry in the availability table of entries that is associated with
4 the bi-directional service requested by the first user.

1 18. The method of claim 17, wherein transmitting the updated bi-directional services
2 database to a second subscriber comprises transmitting the availability table of entries to the second
3 subscriber.

1 19. The method of claim 17, wherein transmitting the updated bi-directional services
2 database to a second subscriber comprises transmitting the availability table entry associated with the
3 bi-directional service requested by the first user.

1 20. The method of claim 13, wherein populating a bi-directional services database with
2 information related to a plurality of bi-directional services comprises populating the bi-directional
3 services database with at least one of a bi-directional service title, a bi-directional service content
4 description, a bi-directional service category, the identity of the content provider that provides the bi-
5 directional service, a description of the people that fulfill the bi-directional service and bi-directional
6 service rating information.

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1 21. A system for providing a bi-directional services programming guide over a cable
2 television network, comprising:
3 a bi-directional services content provider;
4 a headend in communication with a hybrid fiber-coax network and the bi-directional
5 services content provider;
6 a bi-directional communications server, configured to establish bi-directional
7 communication between the bi-directional services content provider and the headend;
8 a home communication terminal in communication with a display device and in
9 communication with the headend via the hybrid fiber-coax network;
10 a bi-directional services program guide application server in communication with the
11 bi-directional communications server, wherein the bi-directional services program guide application
12 server is configured to establish bi-directional communication between the headend and the home
13 communication terminal; and
14 a bi-directional services program guide client application residing on the home
15 communication terminal and in communication with the bi-directional services program guide
16 application server, wherein the bi-directional services program guide client application is configured
17 to generate the bi-directional services programming guide on the display device and to establish bi-
18 directional communications between the bi-directional services content provider and the home
19 communications terminal.

1 22. The system of claim 21, wherein the bi-directional communications server resides at
2 the headend.

1 23. The system of claim 21, wherein the bi-directional services program guide application
2 server resides at the headend.

1 24. The system of claim 21, wherein the bi-directional communications server
2 communicates with the bi-directional services content provider through at least one of a router, a
3 satellite receiver, a satellite transceiver, a terrestrial receiver, a terrestrial antenna and a bi-directional
4 gateway connected to a backbone switch.

1 25. The system of claim 21, further comprising a bi-directional services database in
2 communication with the bi-directional services program guide application server and the bi-
3 directional services program guide client application, wherein the bi-directional services database
4 stores information pertaining to bi-directional services for presentation via the display device.

1 26. The system of claim 25, wherein the bi-directional services database resides at the
2 home communications terminal.

1 27. The system of claim 25, wherein the bi-directional services database is external to the
2 home communications terminal.

1 28. The system of claim 25, wherein the bi-directional services database includes an
2 availability table of entries, each entry respectively associated with a bi-directional service and each
3 entry indicating whether the associated bi-directional service is available.

1 29. The system of claim 25, wherein the bi-directional services program guide application
2 server is configured to query the bi-directional services database to determine the availability of a bi-
3 directional service requested by a subscriber.

1 30. The system of claim 25, wherein the bi-directional services program guide application
2 server is configured to update the bi-directional services database when a bi-directional service is
3 rendered to the subscriber.

1 31. The system of claim 30, wherein the bi-directional services program guide application
2 server is configured to transmit the updated bi-directional services database to the home
3 communications terminal.

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